

# भारत का गाजेट The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 8] नई दिल्ली, शनिवार, फरवरी 25, 1989 (फाल्गुना 6, 1910)

No. 8] NEW DELHI, SATURDAY, FEBRUARY 25, 1989 (PHALGUNA 6, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है ताकि वित्त संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2 (PART III—SECTION 2)

बेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिज़ाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

### THE PATENT OFFICE

### PATENTS AND DESIGNS

Calcutta, the 25th February 1989

### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estate,  
III Floor, Lower Parel (West),  
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110005.

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 0020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :—**The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

Calcutta, the 25th February 1989

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 19th January 1989

57/Cal/89. Voest-Alpine Maschinenbau Gesellschaft M.B.H. Switching arrangement for the hydraulic drive means of full-track vehicles.

58/Cal/89. Fritz Studer AG. A device for circular and/or profile grinding.

59/Cal/89. Pennwalt Corporation. Propanone 1, 3-disulfo-nic acid as an esterification catalyst.

60/Cal/89. Rudolf Kurner. The use of calcium sulphate to improve the fermentation of organic waste.

61/Cal/89. Costal Mud Incorporated. The use of polyal-pholefin in downhole drilling.

The 20th January 1989

62/Cal/89. Pramatha Lal Das. A water loss preventive apparatus.

63/Cal/89. Krupp Brunninghaus GmbH. Running gear of a railway vehicle.

64/Cal/89. Binacchi & C.S.r.l. Device for positioning products extracted from a mold onto a conveyor belt in particular for soap-molding machines or the like.

65/Cal/89. Tashkentsky Gosudarstvenny Universitet Imeni V. I. Lenina USSR. Institut Bioorganicheskoi Khimii Akademii Nauk Uzbeksoi SSR USSR. Method of Preparing 3, 18-dihydroxy-9, 13-epoxylabdanum derivatives.

66/Cal/89. Limitorque Corporation. Valve actuator differential worm planetary gear drive.

67/Cal/89. Limitorque Corporation. A modular switch assembly having wiping contacts.

68/Cal/89. Societe Anonyme Dite : Compagnie De Raffinage Et De Distribution Total France. Apparatus for the catalytic cracking of hydrocarbon charge in fluidised bed.

The 23rd January 1989

69/Cal/89. Owens-Corning Fiberglas Corporation. Storage tanks with fabricated support ribs.

70/Cal/89. Siemens Aktiengesellschaft. Monitoring displacement of a rotating body.

71/Cal/89. Kelsey-Hayes Company. Sliding caliper disc brake and brake shoe assembly therefor.

72/Cal/89. Hitachi Ltd. Program loading method and system for distributed processing system.

73/Cal/89. Huhtamaki OY. Cassette system and apparatus for manufacturing an active agent liberating capsule for subcutaneous use,

74/Cal/89. Sunil Baran Kar and Anita Kar. Multipurpose safety electric heater.

75/Cal/89. Sunil Baran Kar. Gravitational powered engine "Gravkar".

The 24th January 1989

76/Cal/89. JCT Controls Limited. Electrochemical processes. (Convention dated 27-1-88) U.K.

77/Cal/89. Emitec Gesellschaft Fur Emissionstechnologie MBH. Process for producing an assembled shaft.

78/Cal/89. Chitta Ranjan Mukherjee. Improved life protector in water cum water Bi-Cycle.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, HIRD FLOOR, SUNMIL COMPOUD, LOWER PAREL (W), BOMBAY-13

The 2nd January 1989

1/Bom/89. The Boots Company (India) Limited. Therapeutic agents.

2/Bom/89. The Boots Company (India) Limited. Therapeutic agents.

3/Bom/89. The Boots Company (India) Limited. Therapeutic agents.

4/Bom/89. The Boots Company (India) Limited. Therapeutic agents.

5/Bom/89. The Boots Company (India) Limited. Therapeutic agents.

6/Bom/89. M/s. Smith Glass Products Private Limited. An invention for ceramic coated pipes.

7/Bom/89. M/s. Smith Glass Products Private Limited. An invention for manually operated slide gate system.

The 3rd January 1989

8/Bom/89. Bhalchandra Krishnaji Patwardhan. Electronic engine monitor.

9/Bom/89. Nilkantha Dudharamji Chirwatkar. Geminous stone crusher.

The 4th January 1989

10/Bom/89. Eagle Flask Industries Private Limited. An improved cooking device.

11/Bom/89. Eagle Flask Industries Private Limited. A method of providing electrical insulation to heating system.

The 9th January 1989

12/Bom/89. Anand Shripad Wagh. The new method of squeezing with one over two or two over three roller system on sizing machines.

The 11th January 1989

13/Bom/89. Klenzaids Engineers Private Limited. An apparatus for control of airborne particulates in enclosed work space.

The 12th January 1989

14/Bom/89. Pramod Kumar Belsare. Conversion of batch type vacuum pan for sugar crystallisation into a continuous delivery type.

15/Bom/89. Pradeep Vinayak Supnekar. A paper clip and dispenser-cum-applicator for the same.

The 13th January 1989

16/Bom/89. Hindustan Lever Ltd. Detergent Composition.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002**

The 9th January 1989

18/Mas/89. Vijiam Joshua. Wave actuated turbine rotor.

19/Mas/89. Dr. R. C. Nath. RG & RG—a device to generate electricity with motor and generator coupled together.

20/Mas/89. Plessey Overseas Limited. Data Packet Switching. (February 10, 1988; United Kingdom).

21/Mas/89. The Dow Chemical Company. A sight tube assembly and optical sensing means for controlling the firing temperature of a gas turbine (Patent of Addition to 419/MAS/85).

The 10th January 1989

22/Mas/89. Maschenfabrik Rieter AG. Ring spinning machine.

The 11th January 1989

23/Mas/89. Apex Medical Technologies, Inc. Prophylactic sheath with augmented border.

24/Mas/89. Apex Medical Technologies Inc. Polymeric casing with textured surface.

25/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A process for increasing the density of spray-dried detergents.

The 12th January 1989

26/Mas/89. M. Gopi. Indian flavoured masala fish and Indian flavoured masala fish powder.

27/Mas/89. Sandoz Ltd. Method for stabilizing concrete residues.

28/Mas/89. Separation Dynamics Inc. Fuel decontamination system.

The 13th January 1989

29/Mas/89. Foseco International Limited. Moulds for metal casting and sleeves containing filters for use therein. (January 30, 1988; United Kingdom).

30/Mas/89. Separation Dynamics Inc. Separation of water from hydrocarbons and halogenated hydrocarbons.

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

The claim made by THIOKOL CHEMICALS LTD., under Section 20(1) of the Patents Act 1970 to proceed as an applicant for patent no. 564/Del/1985 have been allowed.

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

In pursuance of leave granted u/s 20(1) of the Patents Act, 1970, the application no. 154069 (258/Del/80) is allowed to proceed in the name of ALSTHOM ATLANTIQUE, a French body Corporate, of 38 avenue, Kleber-75784 Paris Cedex 16, France.

**AMENDMENT PROCEEDING UNDER SECTION 57**

The amendments proposed by JBL Incorporated in respect of Patent Application No. 161076 as advertised in Part III, Section 2 of the Gazette of India dated the 23rd April, 1988 have been allowed.

**AMENDMENT PROCEEDING UNDER SECTION 57**

The amendments proposed by The British Aluminium Company Plc, in the respect of Patent application No. 158102 as advertised in Part III, Section 2 of the Gazette of India dated the 28th May 1988 have been allowed.

**OPPOSITION PROCEEDINGS**

An opposition has been entered into by Hindustan Ciba Geigy Limited, Bombay to grant of a patent on application for Patent No. 163037 made by Pidilite Industries Pvt. Ltd., Bombay.

**PATENTS SEALED**

**CALCUTTA**

156082	158647	159003	161918	162064	162127	162317
162517	162617	162652	162653	162654	162665	162760
162822	162826	162827	162828	162841	162842	162843
162844	162845	162846	162847	162848	162849	162861
162863	162869	162881	162885	162886	162889	163118

**DELHI**

160191	161485	162355	162356	162443	162453	162455
162458	162535	162580	162860	162876	162877	

**BOMBAY**

**NIH**

**MADRAS**

162567	162805	162833	162834	162835	162836	162837
162838	162839	162840				

**RENEWAL FEES PAID**

143522	143551	143552	143693	144754	144940	144971
145465	145599	145898	146026	146196	146265	146387
146438	146501	146996	147206	147207	147292	147316
147317	147324	147603	148060	148407	148502	148613
148964	149013	149539	149553	149575	149736	150192
150194	150281	150339	150342	150412	150475	150552
150567	150661	150706	150795	150902	150911	150937
150958	150965	150251	151456	151581	151842	152194
152431	152594	152698	152728	153236	153345	153347
153362	153390	153422	153426	153458	153485	153503
153735	153777	153804	153850	154101	154490	154491
154639	154679	154885	154932	154933	154943	154985
155021	155023	155144	155178	155207	155228	155610
155654	155658	155659	155677	155687	155688	155701

155941	156043	156300	156392	156396	156432	156483
156495	156591	156661	156889	157019	157235	157272
157276	157334	157351	157434	157438	157489	157498
157506	157526	157527	157528	157796	157998	158025
158028	158029	158060	158126	158302	158304	158538
158606	158659	158670	158689	158690	158754	158920
158943	158980	158984	159211	159212	159214	159277
159386	159465	159466	159509	159546	159837	159839
159861	159884	159896	759897	159965	160016	160039
160217	160324	160443	160445	160504	160513	160514
160515	160516	160518	160519	160526	160527	160532
160533	160534	160537	160539	160540	160547	160553
160580	160669	160687	160762	160781	160845	160892
160958	161085	161136	161137	161153	161163	161208
161210	161236	161239	161291	161319	161372	161480
161509	161514	161518	161529	161543	161568	161660
161706	161755	161841	161856	161857	161903	161904
161914	161942	161968	162006	162011	162018	162028
162031	162032	162034	162037	162076	162109	162153
162160	162307	162310	162363	162380	162381	162383
162384	162422	162423	162424	162426	162427	162428
162430	162482	162483	162485	162486	162488	162514
162519	162550	162554	162555	162556	162582	162583
162591	162593	162595	162596	162598	162611	162616
162618.						

## CESSATION OF PATENTS

146437	146440	146441	146442	146447	146449	146450
146453	146454	146455	146456	146457	146458	146460
146461	146462	146463	146464	146465	146468	146471
146472	146473	146475	146477	146478	146479	146481
146482	146483	146486	146488	146489	146490	146491
146492	146493	146494	146495	146496	146502	146506
146508	146515	146519	146520	146522	146523	146525
146529	146538	146544	146546	146547	146548	146549
146550	146551	146552	146556	146557	146559	146565
146567	146568	146569	146571	146573	146574	146575
146576	146577	146579	146580	146581	146582	146583
146584	146585	146586	146587	146589	146590	146593
146595	146596	146597	146599	146600	146606	146607
146608	146611	146615	146616	146617	146618	146619
146623	146624	146626	146627	146629.		

## REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

Class 1. Nos. 160177 & 160178. Annu Autos, an Indian Firm of Radha Kuti, 10/505, Allenganj, Kanpur, 208001, Uttar Pradesh, India. "SEAT". 21st September, 1988

Class 1. No. 160389. Rama Pada Das, an Indian and sole Proprietor of Das & Co. of 201/2/1/1, G.T. Road (North) Howrah-711 107, West Bengal, India. "Welding Torch". 15th November, 1988.

Class 3. No. 160039. Premier Trading Corporation, 6122, Bahadur Garh Road, Bara Hindu Rao, Delhi-110006, India, a registered partnership firm under the Indian Partnership Act, 1932. "Vegetable Slicers". 18th August, 1988.

Class 3. No. 160215. Rotomould (India), Vijay Industrial Estate, Padra Road, Samiala, Baroda-391410, Gujarat, India. An Indian Partnership firm. "Storage Tank". 5th October, 1988.

Class 3. No. 160217. Vijay Kumar Kedia, an Indian and sole Proprietor of Victory Gas Alarm Company of Trust House, 72A, Chittaranjan Avenue, Cal-

cutta-700 012, West Bengal, India. "LP GAS DETECTOR". 6th October, 1988.

Class 3. Nos. 160445, 160447, 160449, 160450. Pet Industrial Consumer Package (P) Ltd., an Indian Company of Shriram House, 10, Kasturi Estate Madras 600 086, Tamil Nadu, India. a "Container". 28th November 1988.

Class 3. No. 160561. Munna Plastics, F-5, Shriram Palace, Telwara, Delhi-110066, Union Territory of Delhi, India. "Toy Pistol". 19th December, 1988.

Class 3. No. 160562. Munna Plastics, F-5, Shriram Palace, Telwara, Delhi-110066, Union Territory of Delhi, India. "Toy Pistol". 19th December, 1988.

Class 5. Nos. 160426 to 160428. Munch Food Products Private Limited (a Germany incorporated under the Indian Companies Act), whose address is D-992, New Friends Colony, New Delhi-110065, India. "Chocolate Box". 25th November, 1988.

Class 12. No. 160526. Britannia Industries Ltd., 5/1A Hungerford Street, Calcutta-700 017, West Bengal, India, an Indian Company. "Biscuit". 7th December, 1988.

*Extn. of Copyright for the Second period of five years.*

No. 158449. Class-1.

Nos. 159032, 159033, 159034. Class-3.

No. 155050. Class-4.

*Extn. of Copyright for the Third period of five years.*

Nos. 158449, 157485. Class-3.

No. 147486. Class-3.

No. 155050. Class-4.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month specified for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 33-D.

164331

Int. Cl. : B 22 d 23/00, 27/00, 43/00.

## CERAMIC FILTER AND METHOD FOR USING SAME.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, OF CH-8201 SCHAFFHAUSEN, SWITZERLAND.

Inventors : 1. FRANZ HOFMANN, 2. ROLF RIETZSCHER, 3. WOLFGANG KAEITLITZ, 4. HANS GUNTER TRAPP, 5. JURGEN OTTO, 6. GERD TRINKL.

Application No. 60/Cal/85 filed January 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

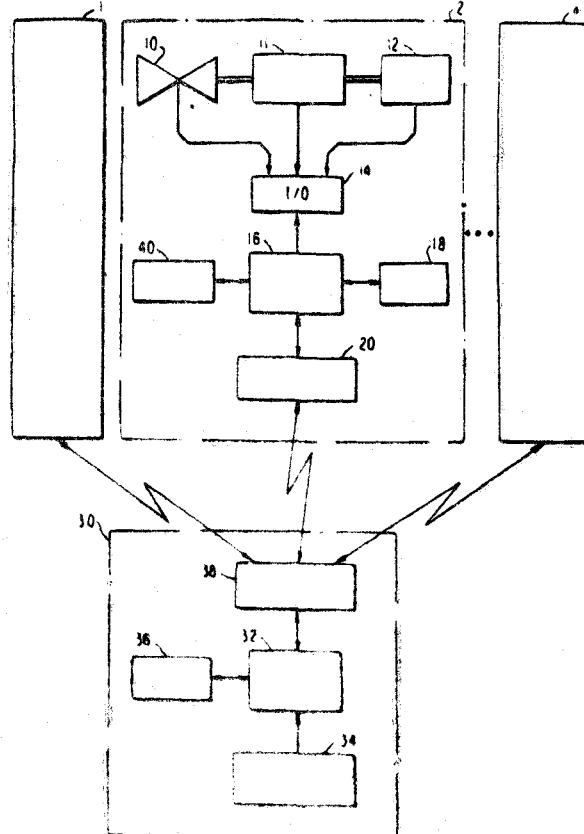
## 14 Claims

A ceramic filter made from a high-melting ceramic material and having an open-celled foam structure, with at least one afflux surface for filtering molten cast iron, said ceramic filter comprising an interior region surrounded by an outer region wherein the bulk density of the said outer region of said ceramic filter is higher than the bulk density of the said interior region of said ceramic filter, and wherein the ceramic filter has a ratio of filter surface to filter volume in the range of about 0.0003 to 9 m<sup>2</sup>/cm<sup>3</sup>, a specific filter resistance in the range of about 0.1 to 0.9 bar-cm at a fluid flow of 5 m<sup>3</sup>/hour, and a pressure loss  $\Delta p$  across the filter which depends on the specific resistance of the filter  $f$ , the filter length  $\alpha$ , and the surface area of the afflux plane  $F$  in accordance with the formula :  $\Delta P_d \propto 1/F$  said ceramic material comprising 20—700/0 by weight of silicon carbide, 10—40 0/0 by weight of aluminium oxide, 2-20 0/0 by weight of silicon oxide, and 10—30 0/0 by weight of a refractory inorganic binder.

Compl. specn. 16 pages.

Drg. 1 sheet

link, to said diagnostic center at predetermined scheduled periods of time and for transmitting said contents at an unscheduled period of time whenever a signal exceeds its predetermined threshold, said diagnostic center including second transmitting/receiver means, under control of said second computing means to receive data sent from said first location so that said second computing means may perform said diagnostic analysis, said second transmitter/receiver means being additionally operable to transmit, via said data link, information resulting from said analysis back to said receiver means being additionally operable to receive said transmitted information.



CLASS : 68-E.

16432

Int. Cl. : G 06 g 7/00.

## DIAGNOSTIC SYSTEMS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : 1. CHRISTIAN TURNER KEMPER, 2. ROBERT LEE OSBORNE, 3. JAMES CHRISTOPHER BELLOWS.

Application No. 245/Cal/85 filed April 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A diagnostic system, for monitoring a process at a first location, by way of a plurality of sensors generating output signals related to operating conditions of the process, said system comprising first data storage means at said first location, first computing means at said first location operable to periodically scan said sensor output signals and place into said first data storage means those signals which exhibit a predetermined difference from the signal value of a previous scan and those signals which exceed respective predetermined threshold values, a diagnostic center at a second location remote from said first location and including second data storage and second computing means operable to perform diagnostic analysis, first transmitter/receiver means under control of said first computing means for transmitting the contents of said first data storage means, via data

Compl. specn. 17 pages.

Drgs. 4 sheets

CLASS : 72-B &amp; C.

164333

Int. Cl. : C 06 b 45/00.

## A METHOD FOR THE MANUFACTURE OF WATER-IN-OIL EMULSION BLASTING AGENTS FOR BULK DELIVERY.

Applicant : IRECO INCORPORATED, OF ELEVENTH FLOOR CROSSROADS TOWER, SALT LAKE CITY, UTAH 84144, U.S.A.

Inventors : 1. LARRY DAVID LAWRENCE, 2. WALTER BENTLEY SUDWEEKS, 3. RAYMOND DON LARSEN.

Application No. 444-Cal/85 filed June 13, 1985.

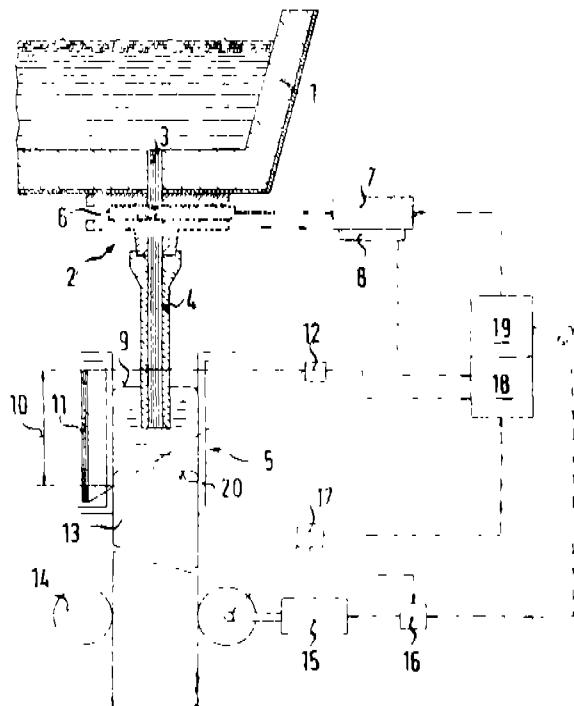
Appropriate office for opposition proceedings (Rule 4, Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A method for the manufacture of water-in-oil emulsion blasting agents for bulk delivery comprising :

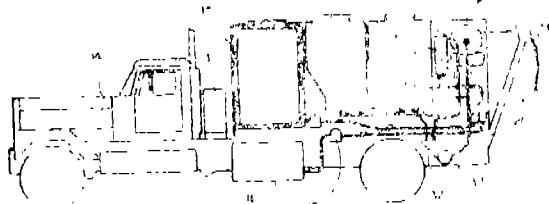
- (a) forming an oxidizer salt solution at a temperature above the salt crystallization temperature;
- (b) combining the salt solution with a liquid organic fuel and an emulsifier to form a fluid mixture thereof;
- (c) blending the fluid mixture to form a water-in-oil emulsion blasting agent in a blender comprising :
  - (1) a housing having a an inlet and an outlet;
  - (2) a shaft rotably mounted within the housing;
  - (3) a plurality of blades affixed to and extending in a lateral direction from the shaft and spaced apart along the axis of the shaft;
  - (4) means for rotating the shaft and blades, and the housing and interposed between some or all of the spaces between the blades, and
  - (5) means for rotating the shaft and blades, and the step of rotating the shaft and blades to shear the fluid mixture and thereby form an emulsion phase;
- (d) delivering the resultant emulsion blasting agent directly into a borehole or other receptacle.

the degree of openness of the valve is again controlled in response to the level of the metal within the mould.



Compl. specn. 11 pages.

Dig. 1 sheet



Compl. specn. 13 pages.

Drgs. 4 sheets

CLASS : 33-A.

164334

Int. Cl. : B 22 d 11. 00.

#### A METHOD OF CONTINUOUS CASTING OF INGOTS.

Applicant : METACON AG., OF OERLIKONERSTR. 88, CH-8057 ZURICH, SWITZERLAND.

Inventor : L. BERNHARD TINNES.

Application No. 463/Cal/85 filed June 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A method of continuous casting of ingots in which a molten metal from a metallurgical vessel is poured into a continuous casting mould, in which the flow of the metal is controlled by a valve and the valve is moved in the opening or closing direction in response to the level of the metal within the mould to maintain the said level substantially at a predetermined level and the extent to which the valve is open, is monitored and when the valve moves in the opening direction, a process is initiated in which firstly the valve is moved in the closing direction to throttle the flow of metal through it and is then substantially fully opened whereafter

CLASS : 34-A.

164335

Int. Cl. : D 01 d 5/00.

#### IMPROVED SPINNING PROCESS FOR AROMATIC POLYAMIDE FILAMENTS.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, U. S. A.

Inventor : L. GEORGE KENNETH LEWIS, JR.

Application No. 572/Cal/85 filed August 5, 1985.

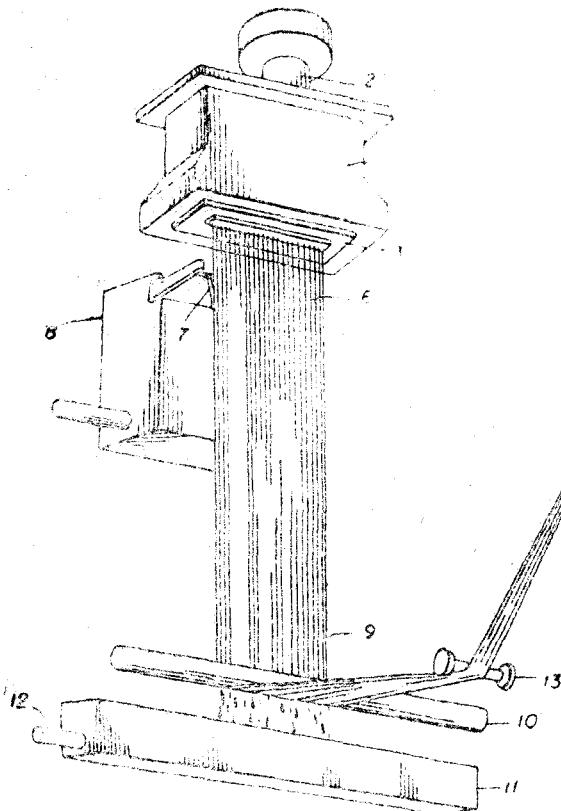
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A process for simultaneously producing a plurality of high-strength, high-modulus aromatic polyamide filaments from aromatic polyamides with chain extending bonds which are coaxial or parallel and oppositely directed and an inherent viscosity of at least 4.0 which comprises :

- (a) delivering substantially uniform amounts of an anisotropic solution of at least 30 grams of the polyamide in 100 ml of 98.0 to 100.2% sulfuric acid to each of a plurality of substantially uniform size apertures of a spinneret plate;
- (b) extruding said anisotropic solution downward through said plurality of apertures forming a single vertical warp and vertically downward through a substantially uniformly thick layer of non-coagulating fluid;
- (c) coagulating said extruded anisotropic solution after passing through the layer of non-coagulating fluid by passing said extruded anisotropic solution vertically downward into a gravity-accelerated and free-falling coagulating liquid;

(d) the fibres so formed on coagulation in the coagulating liquid being separated from the coagulating liquid and the filaments thus collected being processed in a conventional manner.



Compl. specn. 15 pages.

Drgs. 3 sheets

CLASS : 55-D<sub>2</sub>.

164336

Int. Cl. : D 21 h 5/22.

#### A PROCESS OF ENCAPSULATION OF PURETHROID BY INTERFACIAL CONDENSATION OF COMPLEMENTARY INTERMEDIATES.

Applicant : PENNWALT CORPORATION, PENNWALT BUILDING, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, U. S. A.

Inventors : 1. GERD H. DAHL, 2. JOSEPH SIMKIN.

Application No. 615/Cal/85 filed August 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims

A process of encapsulation of purethroid droplets by interfacial condensation of complementary, organic polycondensate-forming intermediates reacting to form polycondensate selected from the group consisting of polyamide, polyamide-polyurea, polysulfonamide, polyester, polycarbonate, polyurethane and polyurea, comprising :

(1) establishing a agitation, a dispersion of to-be-encapsulated pyrethroid droplets containing a list

of said intermediates, which comprises a mixture of monomers in a body of liquid which is in continuous phase and is immiscible with the droplets and is essentially free of any reactant complementary to said first intermediate; and

(2) thereafter bringing a second of said intermediates, which comprise a mixture of monomers, that is complementary to the first intermediates, into the continuous liquid phase so that the first and second intermediates react at the interfaces between the droplets and the continuous phase to encapsulate the droplets within a skin of said selected polycondensate, at least one of said first and second intermediates comprising at least in part a polyfunctional reactant which :

- (a) is complementary to and effective for cross-linking reaction with the other of said first and second intermediates; and
- (b) has an average of more than two reactive groups that are the same as each other and are effectively functional in said selected polycondensate-forming reaction and that are selected from the class consisting of amine, hydroxy, isocyanate, —COCl, and —SO<sub>2</sub>Cl groups, said first and second intermediates thereby reacting to encapsulate the droplets within the aforesaid polycondensate skin having cross-linkage therein.

Compl. specn. 24 pages.

Drgs. 1 sheet

CLASS : 149-B & D.

164337

Int. Cl. : E 21 b 1/00, 5/00, 6/00.

#### REVERSIBLE PERCUSSIVE ACTION MACHINE FOR DRIVING HOLES IN THE GROUND.

Applicant : INSTITUT GORNOGO DELA SIBIRSKOGO OTDELENIA AKADEMII NAUK SSSR, OF NOVOSIBIRSK, KRASNY PROSPEKT, 54, USSR.

Inventors : 1. ALEXANDR DMITRIEVICH KOSTYLEV, 2. VIADIMIR DMITRIEVICH PLAVSKIKH, 3. KONSTANTIN BORISOVICH SKACHKOV, 4. ALEXEI DANILOVICH TERSKOV, 5. IGOR JOSIFOVICH REZNIKOV, 6. VLADIMIR IVANOVICH TARASENKO.

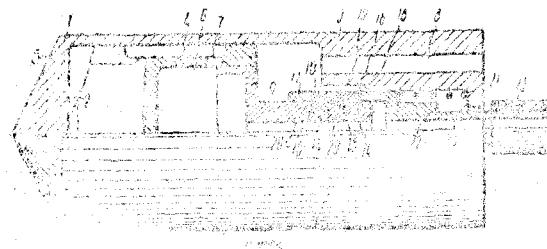
Application No. 833/Cal/85 filed November 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A reversible percussive action machine for drawing holes in the ground, in the form of a housing accommodating a hammer capable of executing reciprocating motions under the action of a working fluid under pressure to deliver impacts on a front portion of the housing during the forward travel of the machine and on a rear portion of the housing during the reverse travel thereof, and a valving member with grooves thereon to control the distribution of the working fluid under pressure, this valving member being movably connected to the hammer and provided with means for fixing it relative to the housing in two fluid distribution control positions, particularly, in the positions for the forward travel of the machine and for the reverse travel thereof characterized by the means for fixing the valving member in the forward operation mode of the machine having the form of at least one insert having projections and movable relative to the valving member, the projections and movable relative to the valving member, the projections of the insert are received by the grooves of the valving member, whereas

the insert is embraced by a shell having ports arranged between the housing and valving member for axial displacements.



Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS : 69-F, G & I.

164338

Int. Cl. : H 01 h 1/16.

#### ELECTRICAL CONTACT SYSTEM.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. HERBERT BERNET.

Application No. 8/Cal/86 filed January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

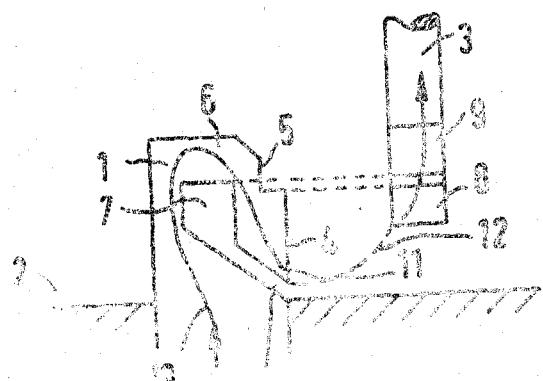
#### 4 Claims

An electrical contact system having a fixed contact part and a cooperating movable contact part with respective contact areas which are maintained engaged in the closed state of the contact system, in which :

one of said parts has a flat contact portion which is provided with an arc-breaking edge, and with a break-through formed therein to improve arcing control;

the other part has a pre-contact area which is co-operative with said arc-breaking edge and which overlies said break-through in the closed state of the contact system; and

the break-through runs into a slot which separates the flat portion in the opening direction of the contact system and outside the respective contact area.



Compl. specn. 6 pages.

Drg. 1 sheet

CLASS 32-F<sub>2</sub>, c.

164339

Int. Cl. : C 07 c 102/00, 103/133.

#### AN IMPROVED PROCESS FOR PREPARING ACRYLAMIDE CRYSTALS FROM AN AQUEOUS SOLUTION ACRYLAMIDE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. YOSHIHIKO KAMBARA, 2. SHIRO ASANO, 3. WATARU ISOZAKI, 4. SYOJI KITADO, 5. MASAO YAMAGUCHI.

Application No. 293/Cal/86 filed April 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

An improved process for preparing acrylamide crystals from an aqueous solution of acrylamide by cooling the solution and crystallizing out the acrylamide wherein the improvement comprises carrying out the process in a double-walled or shell-and-tube heat exchanger equipped with one or more stainless steel cooling tubes with the inner walls thereof polished electrolytically, and the solution and a coolant are caused to flow inside and outside said one or more cooling tubes respectively.

Compl. specn. 39 pages.

Drg. 1 sheet

CLASS :

164340

Int. Cl. : A 62 b 5/00.

#### FIRE ESCAPE.

Applicant & Inventor : CHIN-WANG TSAI, OF 5TH FLOOR, 87 CHERNG GONG ROAD, SEC. 3, TAIPEI TAIWAN, REPUBLIC OF CHINA.

Application No. 705/Cal/86 filed September 24, 1986.

Convention dated 30th December, 1985 (85 31851) U.K.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A fire escape comprising :

a wheel unit having an upper wheel rotatably mounted on the top floor and a lower wheel rotatably mounted on the bottom floor;

a descending means including two looping cables, a plurality transverse rods each transversely fitting on the two cables and equally spaced on said cables and extending on its both ends with two rollers slidingly moved along the grooves of two guides, a plurality of platforms extending from partial said transverse rods and uniformly disposed on said cables, and two guides fitted on the passage to slidably move said rollers found on the two opposite ends of each said transverse rod, said transverse rods being movably engaged with a plurality of recesses formed on the perimeter of either said upper wheel or said lower wheel;

a gear box having a casing, a first gear set driven by said upper wheel by a chain, a second gear set engaged with said first gear set, and a third gear set engaged with said second gear set, said gear sets being proportionally designed to increase their speed ratio so as to greatly increase the rotation speed of said third gear set from said first gear set;

a frictional braking means driven by said first gear set; and

a centrifugal braking means driven by said third gear set; the improvement comprising :

said frictional braking means including a driving disc fixed on the shaft of said first gear set and a frictional clamping collar disposed around said disc, said frictional clamping collar having an inside perimeter frictionally matching with the outside perimeter of said driving disc, said collar having an inner extension pivotally mounted on a pin extending from said casing of said gear box and having an opening end formed with an upper lug and a lower lug spaced with an aperture therebetween, said two lugs being resiliently clamped by a resilient screw jacketed by a restoring spring so as to frictionally tighten said collar around said disc to preliminary slacken the descending speed of said platform when loaded by weight, said upper lug being fitted with an adjusting screw of which the lower end is riding said lower lug so as to keep a specific aperture between said upper lug and said lower lug; and said centrifugal braking means including a drum casing fixed on said casing of said gear box and formed with a cylindrical recess, a rotating arm fixed on the shaft of said third gear set, two crank levers pivotally formed on two opposite ends of said arm, two centrifugal block each coaxed with a rubbing pad formed on the end of each crank lever and two tension springs each tensioning two said crank levers inwards to keep a specific aperture between said block and the inside wall of said cylindrical recess, whereby said rotating arm as driven by said third gear set when sudden increase of descending speed due to heavier weight loading on said platform will be fast rotated to exert a centrifugal force to extend said two levers and centrifugal blocks to frictionally contact the inside wall of said drum casing so as to greatly reduce the rotation speed of said gear sets, said upper wheel and the descending speed of the loaded platform for safer escape in a fire accident.

CLASS : 27-I &amp; 82.

164341

Int. Cl. : A 01 k 61/00, 63/00, 64/00.  
E 02 d 29/00.

**AN OPEN SEA AQUACULTURE INSTALLATION OF THE TYPE WHICH COMPRISES AT LEAST TWO SUBMERSIBLE FLOATING MODULES EACH HAVING A RIGID FRAME-WORK AND AT LEAST A BREEDING CAGE.**

Applicant & Inventor : ANDRE BOURDON OF 65, RUE GAMBETTA, 76200 DIEPPE, FRANCE.

Application No. 404/Cal/85 filed May 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An open sea aquaculture installation which comprises :

at least two submersible floating modules each having a rigid framework and at least a breeding cage, a central structure and pipes for transporting fluid an energy, breeding cages being provided for containing fish life which creates fish pollution which is carried away by currents in the surface layer of the sea, said pollution being located in a zone of action said installation being characterized in that;

said pipes connect each modules to the central structure and are immersed, and

each module is spaced apart from each other module, in a direction transverse to the mean direction of said currents, by a distance sufficient for the zones of action of two adjacent modules being free from overlapping with each other.

Compl. specn. 11 pages.

Drg. 2 sheets

CLASS : 116-G.

Int. Cl. : B 65 g 65/02.

**AN APPARATUS FOR REMOVING BULK MATERIAL FROM A DUMP.**

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, MULDENSTRASSE 5, A-4020 LINZ, AUSTRIA.

Inventors : 1. DIPL. ING. KLAUS EISENKOLB, 2. FRANZ PLOCHBERGER, 3. ING. JOHANN PUHRINGER.

Application No. 660/Cal/85 filed September 16, 1985.

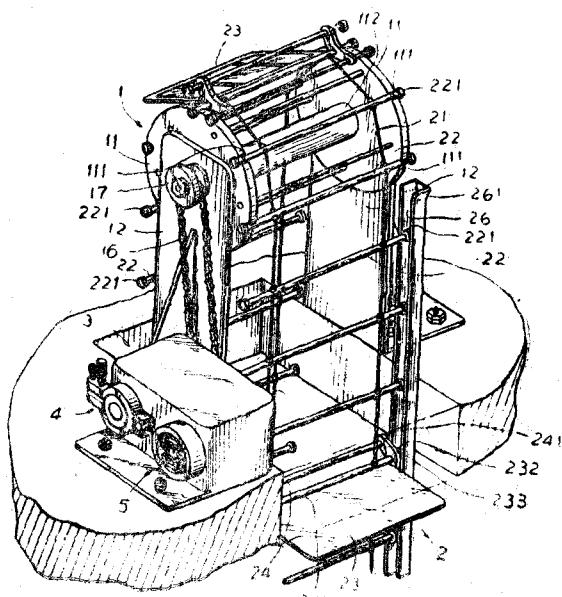
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An apparatus for removing bulk material from a dump, comprising :

a frame;

a scooping tube having a horizontal axis and mounted in said frame for rotation about said axis and being formed with a plurality of entrance openings spaced apart in the peripheral and axial directions of said tube;



drive means for rotating said tube about said axis;

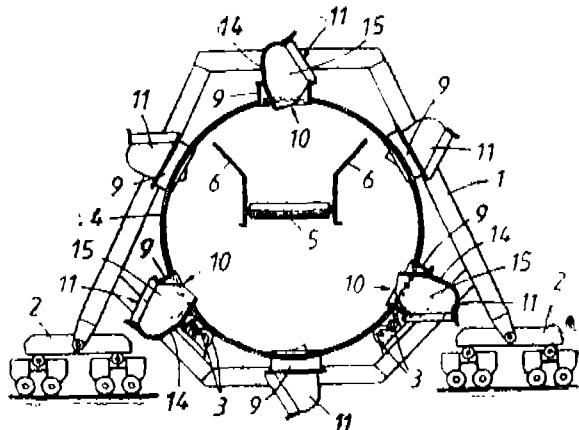
a plurality of buckets mounted on the periphery of said tube and protruding out and into said tube through respective said entrance openings and adapted to scoop material from said dump and to drop material from the apex of said tube into the centre of the said tube during the rotation of said tube about said axis;

a conveyor extending in said tube along the same and adapted to receive bulk material which has been dropped from said buckets into said tube;

each of said buckets having a leading edge adapted to enter said dump during a rotation of said tube in a predetermined sense, and a back extending from said leading edge toward said tube and adapted to guide material in said bucket from said leading edge toward said tube;

characterised in that an annular collar is mounted on said tube at each of said entrance openings and protrudes radially outwardly from the wall of the said tube;

each of said buckets is secured to one of said annular collars and the back of each bucket and side wall adjoining said back protrudes through the collar and the entrance opening into the interior of the scooping tube.



Compl. specn. 13 pages.

Drgs. 2 sheets

CLASS : 98-E.

164343

Int. Cl. : F 28 d 1/00, 15/00.

#### A METHOD OF MAKING A HOLLOW METALLIC ENVELOPE HAVING A DESIRED INTERIOR SURFACE SHAPE

Applicant : THE AIR PREHEATR COMPANY, INC., OF ONDOVER ROAD, WELLSVILLE, NEW YORK, U. S. A.

Inventor : 1. WAYNE STANLEY COUNTERMAN.

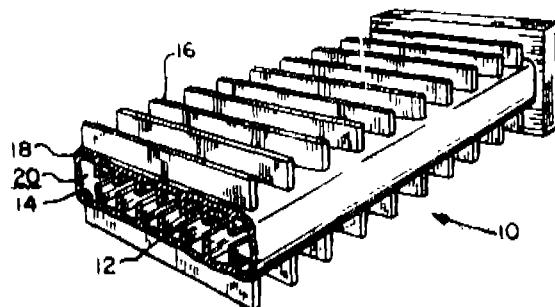
Application No. 710/Cal/85 filed October 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A method of making a hollow metallic envelope having a desired interior surface shape enclosing an interior flow cavity and fin surface means extending into the interior cavity from the interior surface of the envelope, said method comprising the steps of :

- forming a sand core about said fin surface means with portion of the said fin surface means protruding outwardly from the sand core, the sand core contoured about its exterior surface to provide the desired interior shape of the hollow metallic envelope;
- forming a sand mold defining a cavity adapted to receive the sand core and contoured to provide a desired exterior surface shape for the metallic envelope;
- placing the sand core within the sand mold in spaced relationship therewith so as to provide a clearance space therebetween into which the portions of said fin surface means protruding outwardly from the sand core extend; and
- pouring a quantity of molten metal into the clearance space which upon cooling solidifies to form the hollow metallic envelope with said fin surface means being fused integrally therewith.



Compl. specn. 12 pages.

Drgs. 3 sheets

CLASS : 166-B.

164344

Int. Cl. : B 63 b 21/00.

#### AN IMPROVED VESSEL MOORING SYSTEM.

Applicant : KEY OCEAN SERVICES, INC., OF 732 PELICAN, MAGNOLIA, TEXAS 77355, U. S. A.

Inventors: 1. JOE WAYNE KEY. 2. FRED EVANS SHUMAKER.

Application No. 711/Cal/85 filed October 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

An improved vessel mooring system for a vessel having a deck (D), bottom plates (P), a well (W) extending substantially vertically from said deck (D) to said bottom plates (P) to below the vessel's water line, the improvement characterized by :

lower bearing means (L) circumscribing said well (W) and extending below said bottom plates (P), said lower bearing means (L) connected to said bottom plates (P) of said vessel (V);

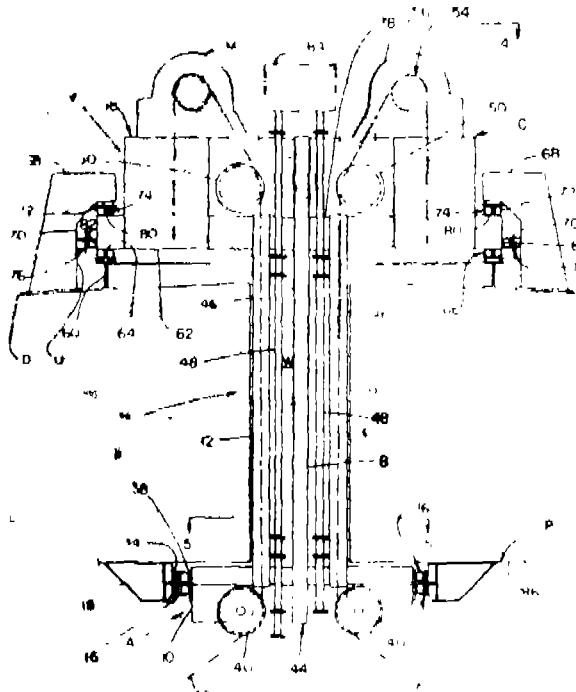
a lower turret unit (A) rotatably mounted to said lower bearing means (L) below said bottom plates (P), said lower turret unit (A) having an annular shape with a larger cross-sectional area in plane substantially perpendicular to the longitudinal axis of said well (W), than said well (W);

a middle turret unit (B) connected to the top of said lower turret unit (A) and disposed substantially within said well (W), said middle turret unit (B) having a substantially smaller width than the width of said lower turret unit (A) in a plane perpendicular to the longitudinal axis of said well (W);

an upper turret unit (C) connected to said middle turret unit (B) and disposed substantially above said deck (D) of said vessel (V) said upper turret unit (C) having an annular shape with a large cross-sectional area in a plane perpendicular to the longitudinal axis of said well (W), than said well (W);

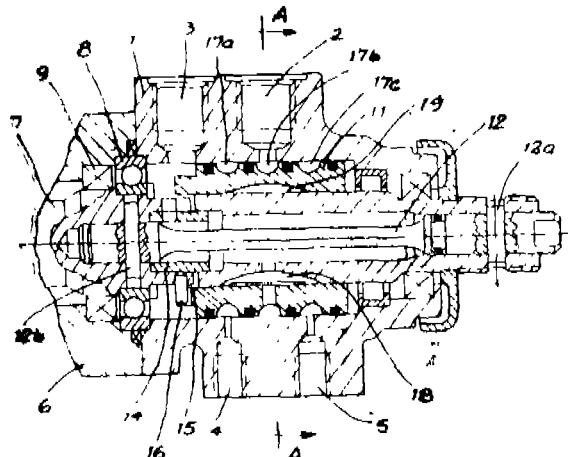
mooring means (M) extending from said upper turret unit (C) through said middle (B) and lower (A) turret units for anchoring said vessel (V) to the bottom of a body of water; and

upper bearing means (U) mounted to said deck (D) circumscribing said well (W) for supporting and guiding the connected assembly of said upper (C), middle (B) and lower (A) turret units in resisting forces imposed on said assembly by said mooring means (M).



pher with a curve of progressively smaller radius there-between.

Inventors : 1. KONRAD GOEBEL, 2. HANS-CHRIS  
TRANKENSCHUH.



Compl. specn. 16 pages.

Drgs, 4 sheets

Application No. 513/Cal/86 filed July 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

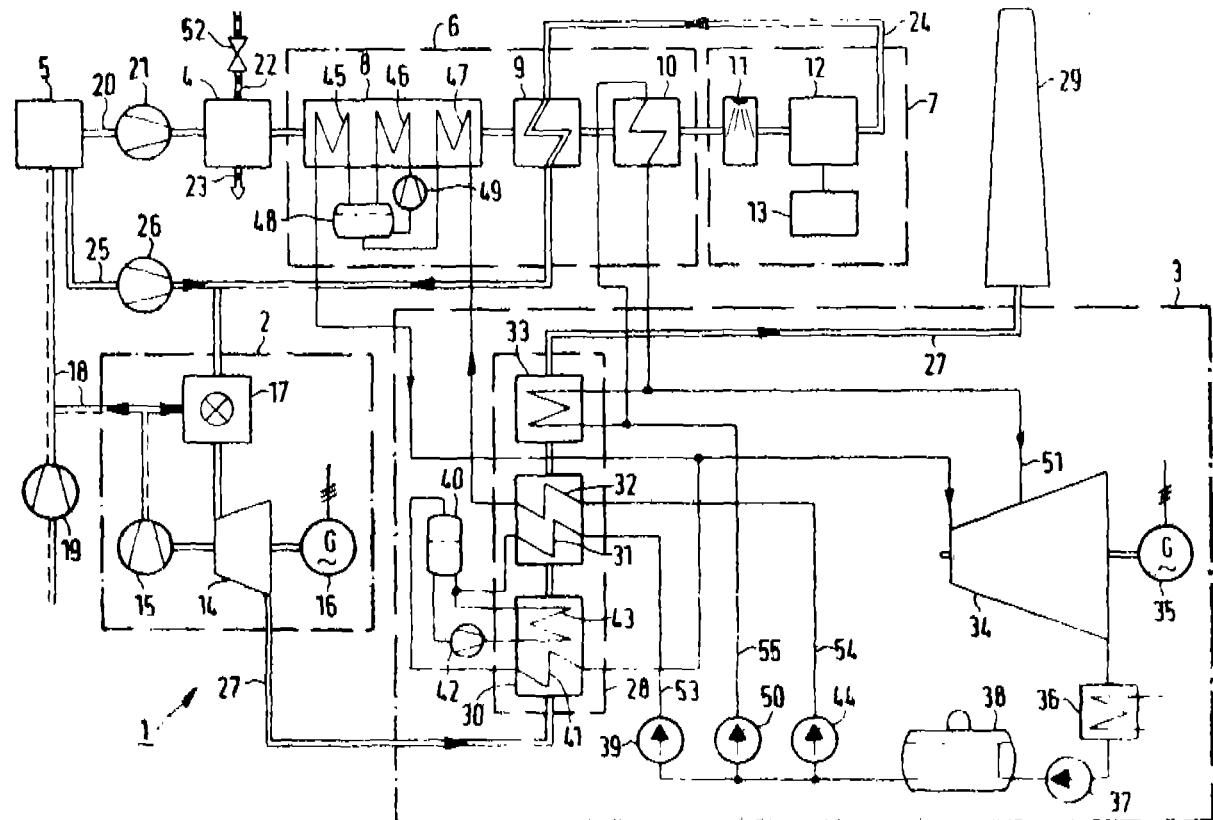
A power plant including a coal gasifier which supplies raw gas which passes through first high-pressure steam generating means, then through a raw gas/purified gas heat exchanger and then through a low-pressure steam generating means to a gas purification plant from which purified gas flows through said heat exchanger to a combustion chamber of a gas turbine, the gas turbine exhaust gas passing through heating means including both second high-pressure steam generating means and a feedwater preheater situated downstream of the latter, considering the exhaust gas flow, the feedwater preheater being connected to the first high-pressure steam generating means to supply working medium to it and the steam from both high-pressure steam generating means being supplied to steam turbine means through high-pressure steam inlet means and the steam from said low-pressure steam generating means being supplied to said steam turbine means through low-pressure steam inlet means.

Int. Cl. : F 02 c 1/00.

164347

## A POWER PLANT.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.



Compl. specn. 11 pages.

Drg. 1 sheet

Int. Cl. : G 06 c 7/02; G 06 f 3/02; G 07 f 7/00; 164348  
H 01 h 41/08, 41/14.

**A CONTACT MAT FOR KEYBOARDS AND THE KEYBOARD COMPRISING THE SAME.**

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELS-BACHERPLATZ 2, D-8000 MUNICHEN 2, WEST GERMANY.

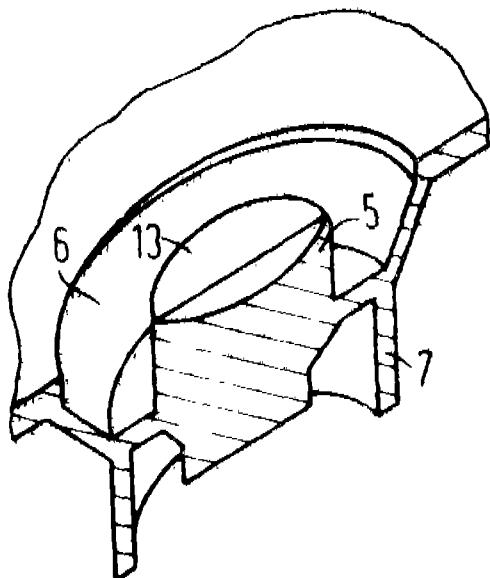
Inventors : 1. HERBERT HOGER, 2. ALFRED MURR.

Application No. 637/Cal/86 filed August 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A contact mat for a keyboard, said mat being made of an electrically non-conductive elastic material and having a plurality of electrically-conductive contact nipples corresponding in number and position to the keys of the keyboard, said contact nipples being arranged above the conductor paths of a printed circuit board, or a contact foil, and being arranged to bridge individual conductor paths to make a contact on actuation of a key, each of the contact nipples of the contact mat comprising at least one recess which is filled with a hardened liquid, hardenable electrically conductive material.



Compl. specn. 6 pages.

Drg. 1 sheet

Int. Cl. : F 16 h 1/00. 164349

**FACE GEAR TRANSMISSION FOR AXES INTERSECTING OR CROSSING EACH OTHER.**

Applicant : KUIKEN N. V., OF RANDWEG 31, 8304 AS EMMELHOORD, THE NETHERLANDS.

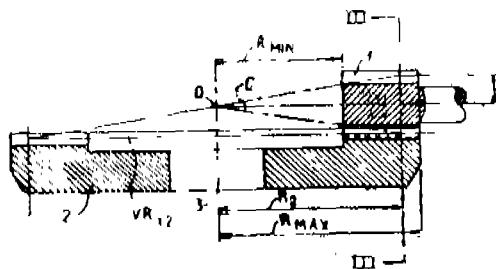
Inventor : 1. HENDRIK KUIKEN.

Application No. 862/Cal/86 filed November 28, 1986.

3 Claims

Face gear transmission for axes intersecting or crossing each other, whether at an angle of 90° or not comprising a cylindrical gear wheel, with straight or helical toothing, which engages a face gear having a teeth crown, said teeth crown having active tooth flanks over an active pressure angle vary-

ing at a function of the teeth crown radius, the range of variation of said pressure angle being a range within the range of  $\alpha=0^\circ$  at the inside of the face gear and  $\alpha=40^\circ$  at the outside, theradii being measured on the (theoretical) reference cone and viewed in a plane perpendicular to the axis of the engaging cylindrical gear wheel, characterized in that the tooth tip height T of the face gear, measured from the plane ( $VR_{12}$ ) which is situated perpendicular to the axis of rotation (3) of the face gear and over which the pitch cylinder having the pitch radius ( $R_p$ ) of the cylindrical gear wheel (1) rolls, has a varying value, the tip height T decreasing substantially linearly from the nominal pitch radius  $R_p$  as the radius decreases and increasing as the radius increases, and, as the radius increases further, the tip being sharp and then decreasing again, all this in a manner such that at radii less than the nominal pitch radius  $R_p$  no undercutting of the tooth base of the gear wheel is necessary and a standard cylindrical wheel can therefore continue to be used, and in that at radii larger than the nominal pitch radius  $R_p$  a considerably increased load-carrying tooth flank can be used with increased meshing quotient in the region where the tooth base is also strengthened due to the increased pressure angle  $\alpha$ .



Compl. specn. 14 pages.

Drgs. 2 sheets

CLASS 11-C; 83-Bs.

164350

Int. Cl. : A 23 k 1/00, 1/165, 1/17.

**PROCESS FOR THE PREPARATION OF FODDER ADDITIVE.**

Applicant : RICHTER GEDEON VEGYESZETI GYAR RT., OF 21, GYOMROU UT, BUDAPEST X, HUNGARY.

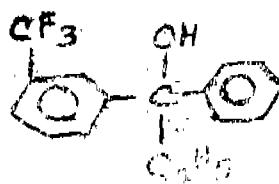
Inventors : 1. ISTVAN PERJES, 2. DR. LASZLO SZPORNY, 3. DR. ANDRAS SELMECZI, 4. DR. LASZLO VERECZKEY, 5. DR. IMRE KLEBOVICH, 6. EDIT TOTH, 7. DR. GYORGY HAJOS, 8. JOZSEF TORLEY, 9. DR. FERENC SIMON, 10. DR. PETER SARKOZY, 11. DR. ATTILA MISLEY.

Application No. 752/Cal/85 filed October 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for the preparation of a fodder additive, which comprises admixing 0.5 to 99% by weight of flumecinol of the Formula (1) of the accompanying drawings



for inducing the microsomal enzyme system of the liver with conventional carriers and/or additive and from 0.001 to 50% by weight of at least one further active ingredient conventionally used in the animal husbandry which is a lipophilic veterinary active ingredient, metabolizing in the liver.

Compl. specn. 22 pages.

Drg. 1 sheet

CLASS : 67 C.

16435J

Int. Cl. H 03 m - 11/00. G 06 f - 11/00.

## APPARATUS FOR DECODING ERROR CORRECTION CODED INFORMATION.

Applicant & Inventor : JAGDISH TRIKAMJI GAJAR, AMERICAN NATIONAL, AT 8 TWINBROOK COURT, CLIFTON PARK, COUNTY OF SARATOGA, STATE OF NEW YORK, 12065, UNITED STATES OF AMERICA.

Application No. 346/Bom/1985 filed on December 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-400 013.

## 4 Claims

1. An apparatus for decoding error correction coded information for decoding a received message word into data word which has been encoded to form a first linear cyclic block code word including said data word and a parity word, comprising :

control means ;

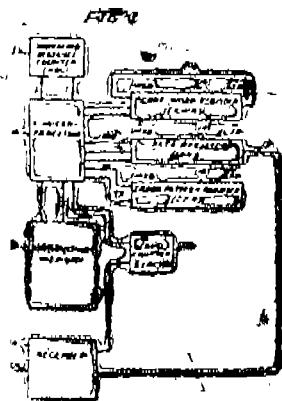
memory means coupled to said control means for storing a plurality of predetermined second linear cyclic block code words;

code word means coupled to said control means for storing a cyclicly shifting a selected one of said plurality of predetermined second linear cyclic block code words;

data means coupled to said control means for serially sequentially examining each bit of said received message word;

Hamming means coupled to said control means for storing the Hamming distance between the contents of said code word means and contents of said data means; and scratch pad means coupled to said control means;

said control means operative to monitor continuously the Hamming distance between the contents of said code word means and said data means and store the said distance in said Hamming means, and when said Hamming distance is above a predetermined value to logically exclusively OR the contents of said code word means and the contents of said data means and store the logical result of the ORing process in said scratch pad means, said control means operating in response to the contents of said Hamming means above a predetermined value and the contents of said scratch pad means to update said code word means to a code word corresponding to the contents of said data means, the contents of said code word means, after the receipt of said message word, being decoded by said control means to retrieve said data word.



Compl. 22 pages. Drg. 2 sheets

CLASS : 137 E [LX(2)].

164352

Int. Cl. : G 10 D - 1/08.

## COMPACT GUTTAR.

Applicant & Inventor : VIJAY KUMAR JAIN, AN INDIAN OF 5, SANT NAGAR, UJJAIN (M.P.) 456010, INDIA

Application No. 361/Bom/1985 filed on December 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

## 4 Claims

A compact guitar comprising :

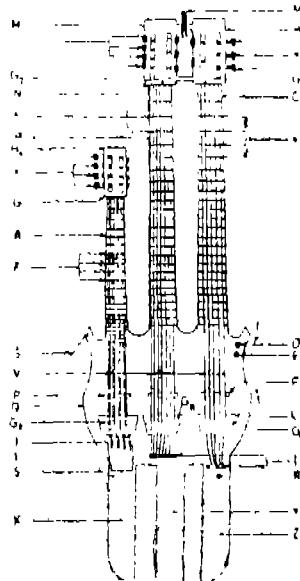
a body, three arms extending from one end of the said body, left side arm being smaller and middle and right side arms being larger and generally of equal length each arm provided with a head;

at the free end, and a fixed bridge just behind the respective head of left side arm and right side arm and an adjustable bridge provided just behind the head of middle arm, three tails extending from the other end of the body for counterbalancing the weight of said arms;

said body being provided with three adjustable bridges and three tail pieces just behind the said adjustable bridges in spaced apart relationship, four adjustable keys being provided on the body in line with the said small arm behind the tail piece;

the head of smaller arm being provided with eight gear keys four on each side;

the head of middle arm being provided with seven gear keys, four on left side and three on right side, the head of right side arm being provided with five gear keys two on left side and three on right side, four pairs of strings of varying diameter are stretched along the length of smaller arm over the said bridges, one end of each string being connected to said eight gear keys provided on its head and other end being hooked to said tail pieces and said adjustable keys in the manner that one string of each pair is connected to the adjustable key and other string of same pair is hooked in said tail piece, seven and five strings of varying diameter being stretched over the said bridges along the length of said middle arm and right side arm respectively, one end of each string being connected to said gear keys in the heads of respective arms and the other end being hooked to the respective tail pieces, a plurality of frets being provided across the width of each arm to create various sound notations, an electric knob for connecting electric wire provided in the tail of body.



Compl. specn. 9 pages.

Drg. 2 sheets

CLASS : 129 K [XXXV].

164353

Application No. 7/Bom/1986 filed on January 7, 1986.

Int. Cl. : B 23 g - 3/02.

**PORTABLE TAPPING MACHINE.**

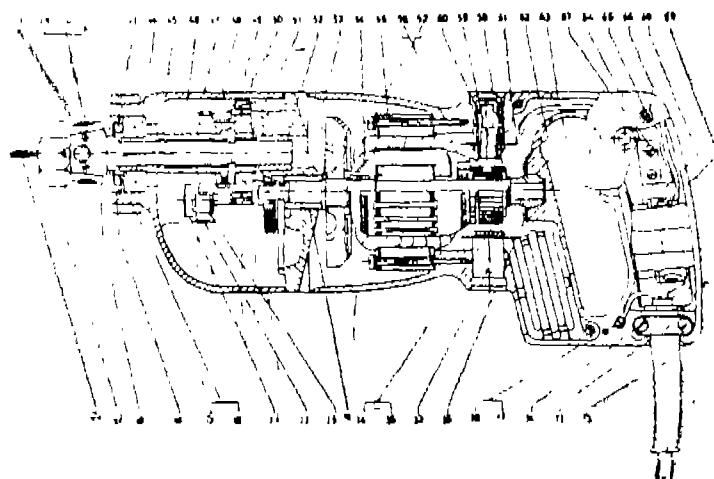
Applicants : RALLIWOLF LIMITED, LALBAHADUR SHASTRI MARG, MULUND, BOMBAY-400 080, MAHARASHTRA, INDIA.

Inventors : SUNIL SHANTARAM PRADHAN & (2) SUSHIL VINAYAK AMBERKAR.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-400 013.

**5 Claims**

A portable tapping machine comprising of a universal motor, a chuck spindle as a means for holding the tap and a gearbox having reversing mechanism to transmit power from motor to chuck spindle in clockwise direction while tapping and in anticlockwise direction while withdrawal of tap.



Compl. specn. 11 pages.

Drg. 4 sheets

XLI(4)].

164354

1/28. 9/02, 10/06.

**REPARING TOILET BAR COMPOSITIONS.**

Applicants : HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) MARK STEPHEN DOBROVOLNY, (2) JAMES JOSEPH CORR (3) WILLIAM ROBERT NARATH.

Application No. 25/Bom/1986 filed on January 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

**11 Claims**

A process for preparing a toilet bar composition comprising :

(i) blending components comprising:

- (a) an alkali metal, ammonium or C<sub>4</sub>-C<sub>4</sub> alkyl or hydroxyalkyl substituted ammonium fatty acid soap in an amount greater than 25%;
- (b) a C<sub>10</sub>-C<sub>4</sub> acyl isothionate salt the ratio of soap to acyl isethionate salt ranging from 20 : 1 to 1 : 0.98; and
- (c) from 12 to 30% initial water;

(ii) heating and mixing the component blend; and

(iii) terminating mixing after the blend passes the second of two successive peaks in viscosity reached during mixing; termination occurring at a blend viscosity between 500 and 6,000 centipoise at 35 sec<sup>-1</sup> shear rate at 99—103°C (210—218°F), the final moisture content of the blend being between 8.5 to 20% water.

Compl. specn. 21 pages.

Drg. 1 sheet

CLASS : 172 E [XXI].

164355

Int. Cl. : D 01 G - 15/62.

**AN IMPROVED SLUB-CATCHER BLADE.**

Applicant : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, AN INDIAN REGISTERED BODY, REGISTERED UNDER SOCIETY'S REGISTRATION ACT (ACT XXI OF 1860), P. O. POLYTECHNIC, AHMEDABAD-380015, GUJARAT, INDIA.

Inventors : DAMODARAM RAMAKRISHNAN, KAVANOOR VENKATESAN SUKUMAR, MAHESH CHANDRA PALIWAL.

Application No. 30/Bom/86 filed on Jan. 22, 1986.

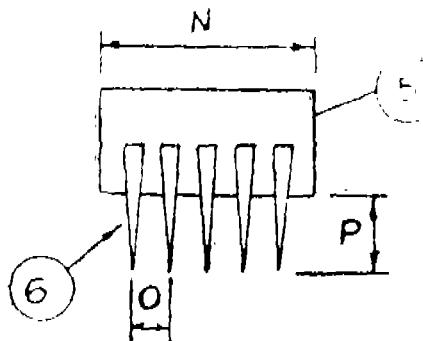
Complete after provisional left on April 20, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-400 013.

**7 Claims**

1. An improved slub-catcher blade comprising a holder in the form of a metallic or non-metallic strip or plate, and a plurality of pins (6)/needles/spikes firmly held onto the

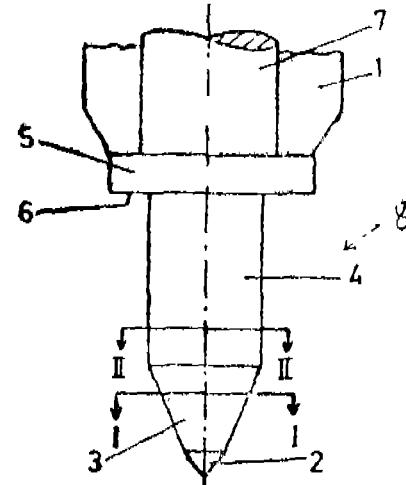
holder (5) such that the projections of the said pins/needles/spikes from the holder define the stub catching edge of the blade, in use thereof.



Provisional specification 4 pages.  
Compl. specn. 8 pages.

Drgs. Nil  
Drgs. 2 sheets

to achieve a desired gap for giving mixed lubrication which is partly hydrodynamic and partly dry.



Compl. specn. 6 pages.

Drg. 1 sheet

CLASS : 129 C [XXXV].  
Int. CL. : B 23 B 51/00.

164356

#### AN IMPROVED FLOWDRILL.

Applicant & Inventor : NEERAJ AGARWAL, SON OF JAGDISH CHAND AGARWAL INDIAN INHABITANT, AT 47, SAHANEY SUJAN PARK, PUNE-411001, MAHARASHTRA, INDIA.

Application No. 44/Bom/1986 filed on February 5, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Bombay Branch.

#### 2 Claims

An improved flowdrill comprising of a shank to be fixed in a drilling machine, a collar below it and a straight and tapered operative portion having a pointed tip below the said collar characterising in that the said straight and tapered operative portion consists of a regular polygon inscribed by a circle which is equal to the diameter of the hole to be formed in a work piece by the said flowdrill, the convex contour of the said polygon is defined by the formula :

$$R(\phi) = R_0 - \frac{1}{2}E + \frac{1}{2}E \cos \left\{ \arccos \left( \delta \sin^2 n\phi + \frac{(\cos n\phi)}{\cos n\phi} \right) \right\}$$

$$\sqrt{\delta^2 \sin^4 n\phi - 2\delta \sin^2 n\phi + \cos^2 n\phi} + \alpha$$

When

$$(\sin n\phi), \sin \left\{ \arccos \left( \delta \sin^2 n\phi + \frac{(\cos n\phi)}{\cos n\phi} \right) \right\} \leq 0$$

$$\sqrt{\delta^2 \sin^4 n\phi - 2\delta \sin^2 n\phi + \cos^2 n\phi} \leq 0$$

in which

$R$  = Radius vector from the drill center,

$R_0$  = Radius vector in a starting point of the contour in any of the apexes of the polygon,

$\phi$  = The angle between  $R$  and  $R_0$ ,

$E$  = Difference between the maximum and minimum Radii ( $R_{\max} - R_{\min}$ ),

$\delta$  = The modulation factor that varies between 0 and 1.

$d$  = The non-symmetry factor varies between 0 and X,

$n$  = number of apexes of the polygon;

CLASS : 45 G, III(1).

164357

Int. CL. : E 03 D 1/24.

#### AN OPERATING DEVICE FOR ACTUATING A FLUSHING CISTERN.

Applicants : PHENOWELD POLYMER PRIVATE LIMITED, SAKI VIHAR LAKE ROAD, BOMBAY-400 072, MAHARASHTRA, INDIA.

Inventor : ADHAR SAHI RAM MIRCHANDANI.

Application No. 124/Bom/1986 filed on April 16, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

#### 2 Claims

An operating device for actuating a flushing cistern comprising :

a bush having a hollow flangy portion and an externally threaded tubular portion adapted to be inserted through a hole in the wall of a cistern;

the external end surface of the flange of said bush being provided with a plurality of axial ribs or protrusions while the inner surface of said flanges adapted to rest against the outer surface of the wall of the cistern;

said bush having a locating pin adapted to enable the mounting of a handle knob on the wall of the cistern through said bush in one position only;

said bush having a through hole extending through said flangy portion and said tubular portion and being secured to the wall of the cistern by means of a nut secured on the threaded tubular portion of the an external diameter slightly less than the through hole in said bush and inserted rotatably within the hole in said bush;

the said tubular shaft of the said handle knob having its outer surface, where it joins the inner side of the handle knob;

a plurality of radial ribs or protrusions equal in number to said axial ribs/protrusions on the said external end surface of the flange portion of said bush;

a bent lever having a tubular projection adapted to be inserted into the said tubular shaft of the said handle knob in the assembled condition;

said bent lever having a raised circumferential flange portion adapted to rest against the said nut the said tubular extension of said bent lever being glued to the inner surface of the tubular shaft of said handle in assembled condition and the free end of said bent lever having a channel section with a plurality of slots or holes adapted to receive an engaging member, such as a chain, which is to be fitted to the flush mechanism.



Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 40 G [IV(1)]; 70 C5 [LVIII(5)]. 164358  
Int. Cl. : C 25 B + 1/00, 3/02, 5/10.

IMPROVEMENTS IN OR RELATING TO PROCESS FOR THE PHOTOLELECTROLYTIC OXIDATION OF A CHEMICAL COMPOUND.

Applicants : IEL LIMITED, ICI HOUSE, 34 CHOWRIN-GHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors : 1. PUSHPIITO KUMAR GHOSH, 2. DILIP KOTKAR 3. VISHWAS JOSHI.

Application No. 137/Bom/1986 filed on May 1, 1986.

Complete after provisional filed June 30, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

## 2 Claims

1. An improved process for the photolelectrolytic oxidation of a chemical compound such as herein described, said process being carried out in a solution based photoelectrolytic cell with metallic electrodes as anode and cathode using said compound as solution in water with or without a dilute mineral acid such as herein described in the anode compartment of said cell, said dilute mineral acid being

1N to 2N concentration and a photocatalyst such as herein described in solution with a strong mineral acid such as herein described in the cathode compartment of said cell, said strong acid being 4N - 20N concentration, said chemical compound in solution and said photocatalyst in solution being separated or isolated from each other by a buffer such as dilute acid such as herein described, said dilute acid being 2N to 4N concentration and in the presence of visible light such as sunlight using molecular or gaseous oxygen as the oxidant, said compound in solution and said photocatalyst in solution being stirred during oxidation.

Compl. specn. 10 pages.

Drg. Nil

Provisional specification 9 pages.

Drgs. 4 sheets

CLASS : 64 B1 [LVIII]

164359

Int. Cl. : H 01 r - 9/00.

MODIFIED SHIELDED GUARD FOR ELECTRONIC CIRCUIT INTERCONNECTIONS (WITH EMI SHIELDING).

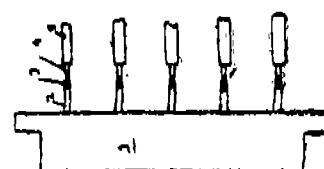
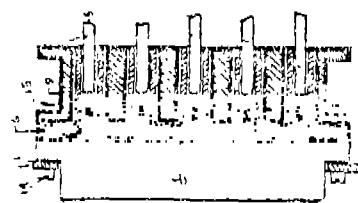
Applicant & Inventor : NANDAKUMAR RAMCHANDRA JOSHI 66, SAHAWAS SOCIETY, KARVENAGAR, PUNE-411 052, MAHARASHTRA, INDIA.

Application No. 151/Bom/86 filed May 21, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Bombay Branch.

## 5 Claims

A modified shielding guard for electronic circuit interconnections assembly comprising a connector, a detachable plastic insulating guard with holes matching the connector contact pins to provide electrical as well as mechanical protection to the connections of each of the contact pins of the said connector to corresponding wires and another detachable guard of an insulating material plated by metallic coating on all sides to provide individuals as well as collective shielding of each of the connecting wires from EMI where the said insulated guard is sandwiched between the said connector and the said shielding guard with the holes on both the guards matching the connector contact pins and the assembly is fastened together with the help of nuts, bolts and spacers.



Compl. specn. 6 pages.

Drg. Nil

Provisional specification 6 pages.

Drgs. 2 Sheets

CLASS : 48A1, A2, A4 [LVIII(3)].

164360

Int. Cl. : H 01 B - 7/00, 11/00, 13/22.

SHIELDED CABLE WITH DRAINWIRE WELDED TO THE CONDUCTING FOIL SHIELD.

Applicant & Inventor : NANDAKUMAR RAMCHANDRA JOSHI, INDIAN NATIONAL AT 66, SAHAWAS SOCIETY, KARVENAGAR, PUNE-411052, MAHARASHTRA, INDIA.

Application No. 159/Bom/1986 filed on May 30, 1986.

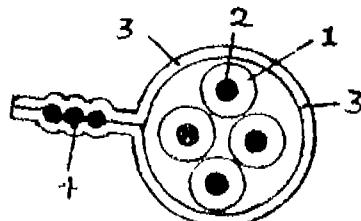
Complete after provisional left on June 1, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

5 Claims

A shielded cable, comprising one or more insulated cores shielded against Electromagnetic interference with conducting metal foil shield to which drainwire or drainwires of conducting metal are welded to form a firm and tight bond between

the said drainwires and the said metal foil to yield an electrically continuous metal shield with improved shielding effectiveness and cable reliability under adverse conditions of environment and/or handling.



Provisional specification 7 pages.

Drgs. 2 sheets

Compl. specn. 8 pages.

Drg. Nil

R. A. ACHARYA  
Controller General of Patents,  
Designs and Trade Marks